

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 15982	FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small>	
International application No. PCT/US 02/23597	International filing date (day/month/year) 24/07/2002	(Earliest) Priority Date (day/month/year) 12/12/2001
Applicant KIMBERLY-CLARK WORLDWIDE, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 04 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :
- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the title,

- ✓ ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- ☒ the text is approved as submitted by the applicant.
- ☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. 1

- ☒ as suggested by the applicant.
- ☐ because the applicant failed to suggest a figure.
- ☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/23597

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A47L13/16 A47L13/20 D04H3/16 D04H3/02 D04H3/10
D01D5/253 D01F8/06

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A47L D04H D01D D01F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 05956 A (KIMBERLY CLARK CO) 11 February 1999 (1999-02-11) page 20, line 25-31 page 21, line 21 -page 22, line 12; figure 16 ---	1-12, 28, 32
X	WO 00 29657 A (KIMBERLY CLARK CO) 25 May 2000 (2000-05-25) page 17, line 11-26 claim 35 ---	1-28
X	US 2001/029966 A1 (FERESHTTEKHOU SAEED ET AL) 18 October 2001 (2001-10-18) paragraphs '0044!, '0045! --- -/--	1

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

G document member of the same patent family

Date of the actual completion of the international search

24 October 2002

Date of mailing of the international search report

07/11/2002

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 02/23597

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>DATABASE WPI Section Ch, Week 200176 Derwent Publications Ltd., London, GB; Class F01, AN 2001-529926 XP002218218 & AU 200 132 349 A (KANEBO GOHSEN LTD), 27 August 2001 (2001-08-27) abstract</p>	1
A	<p>& WO 01 61083 A (KANEBO GOHSEN LTD) 23 August 2001 (2001-08-23) figure 2</p>	1
A	<p>--- US 5 707 735 A (MIDKIFF DAVID GRANT ET AL) 13 January 1998 (1998-01-13) cited in the application the whole document</p>	1
A	<p>--- EP 0 399 397 A (DU PONT) 28 November 1990 (1990-11-28) the whole document</p>	1
A	<p>--- PATENT ABSTRACTS OF JAPAN vol. 2000, no. 15, 6 April 2001 (2001-04-06) & JP 2000 345456 A (KURARAY CO LTD), 12 December 2000 (2000-12-12) abstract</p>	1
A	<p>& JP 2000 345456 A (KURARAY CO LTD) 12 December 2000 (2000-12-12) the whole document</p>	1
A	<p>--- US 5 498 468 A (BLANEY CAROL A) 12 March 1996 (1996-03-12) the whole document</p>	1-31
A	<p>--- US 4 823 427 A (GIBBS LESLEY L ET AL) 25 April 1989 (1989-04-25) cited in the application figures</p>	32-40
A	<p>--- US 5 057 368 A (MARES FRANK ET AL) 15 October 1991 (1991-10-15) cited in the application the whole document</p>	1-28
P,X	<p>--- US 6 352 948 B1 (GRIESBACH III HENRY LOUIS ET AL) 5 March 2002 (2002-03-05) figure 6</p>	1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 02/23597

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9905956	A	11-02-1999	US 2001010852 A1 AU 8601998 A EP 0999779 A1 TW 384219 B WO 9905956 A1	02-08-2001 22-02-1999 17-05-2000 11-03-2000 11-02-1999
WO 0029657	A	25-05-2000	AU 1605700 A WO 0029657 A1	05-06-2000 25-05-2000
US 2001029966	A1	18-10-2001	AU 2075801 A WO 0141622 A2	18-06-2001 14-06-2001
AU 200132349	A		NONE	
US 5707735	A	13-01-1998	AU 2325097 A CA 2247155 A1 WO 9735055 A1	10-10-1997 25-09-1997 25-09-1997
EP 0399397	A	28-11-1990	CA 2017201 A1 CA 2329373 A1 CN 1047543 A ,B DE 69013395 D1 EP 0399397 A2 JP 3051307 A JP 3216131 B2 RU 2044804 C1 US 5202185 A US 5260013 A	22-11-1990 22-11-1990 05-12-1990 24-11-1994 28-11-1990 05-03-1991 09-10-2001 27-09-1995 13-04-1993 09-11-1993
JP 2000345456	A	12-12-2000	NONE	
US 5498468	A	12-03-1996	AU 687234 B2 AU 3244395 A BR 9509062 A CA 2200780 A1 CN 1163640 A ,B DE 69513037 D1 DE 69513037 T2 EP 0782639 A1 PL 319136 A1 PL 177522 B1 WO 9609428 A1	19-02-1998 09-04-1996 12-08-1997 28-03-1996 29-10-1997 02-12-1999 29-06-2000 09-07-1997 21-07-1997 31-12-1999 28-03-1996
US 4823427	A	25-04-1989	US 5292582 A	08-03-1994
US 5057368	A	15-10-1991	WO 9109998 A1	11-07-1991
US 6352948	B1	05-03-2002	US 5759926 A AU 1632099 A WO 9932288 A1 AU 707668 B2 AU 5939196 A BR 9611001 A CA 2221135 A1 DE 69622713 D1 EP 0830466 A1 JP 2001519856 T WO 9641041 A1	02-06-1998 12-07-1999 01-07-1999 15-07-1999 30-12-1996 04-06-2002 19-12-1996 05-09-2002 25-03-1998 23-10-2001 19-12-1996